

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080122\
 Data File : VX030334.D
 Acq On : 01 Aug 2022 19:48
 Operator : JC/MD
 Sample : N3964-03 10X
 Misc : 5.06g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 HMGP-SOIL-B

Quant Time: Aug 02 01:57:16 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 25 16:49:17 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

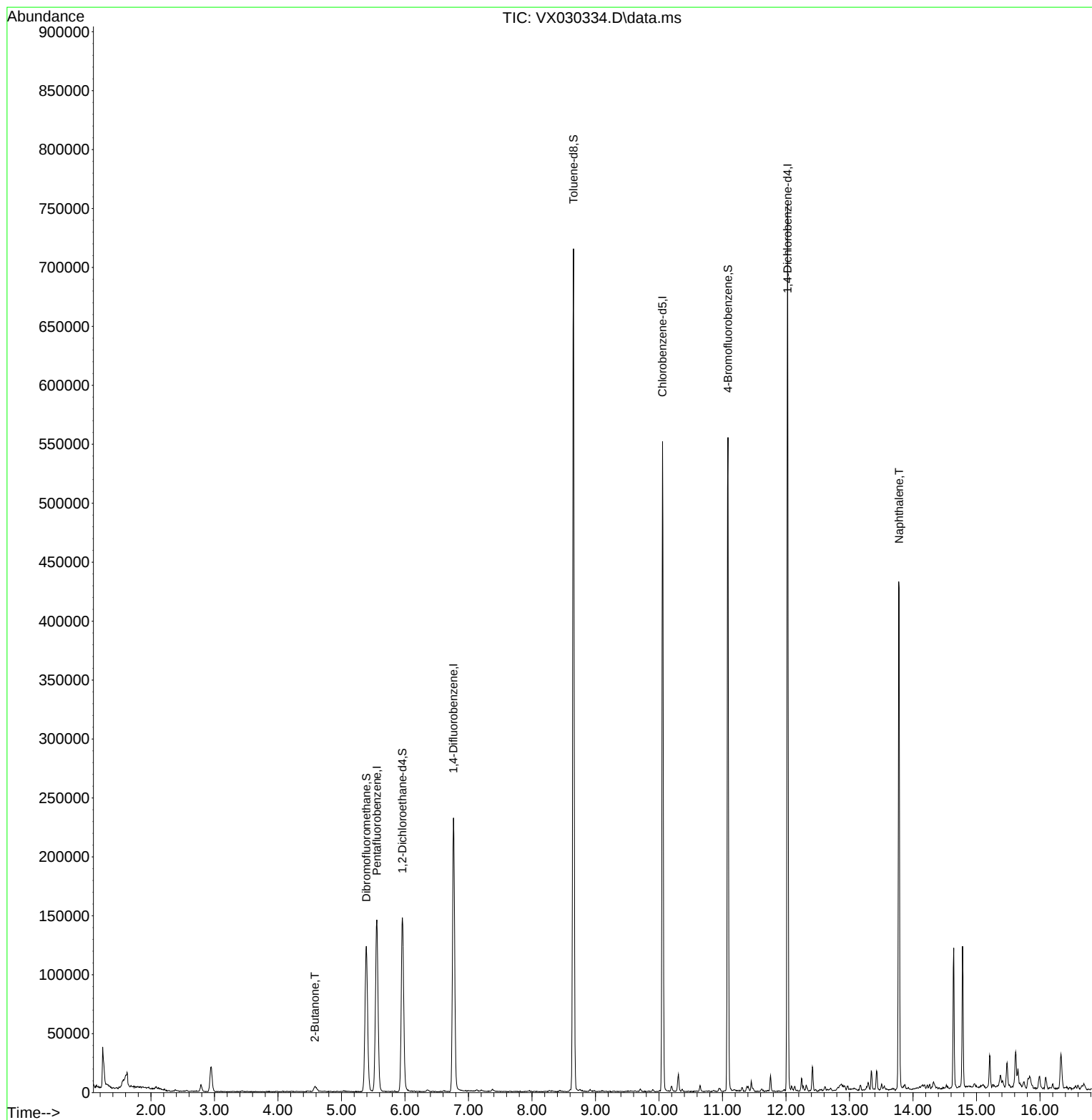
Internal Standards						
1) Pentafluorobenzene	5.556	168	135460	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	238723	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	244400	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	144372	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	138996	51.051	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.100%			
35) Dibromofluoromethane	5.391	113	109822	48.124	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.240%			
50) Toluene-d8	8.653	98	418061	47.305	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.600%			
62) 4-Bromofluorobenzene	11.085	95	154499	47.105	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 94.220%			
Target Compounds						
25) 2-Butanone	4.581	43	3904	1.667	ug/l	97
95) Naphthalene	13.780	128	267028	23.344	ug/l	99

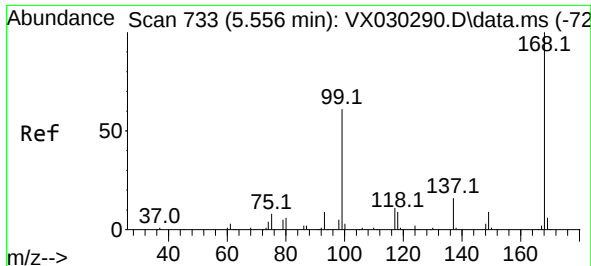
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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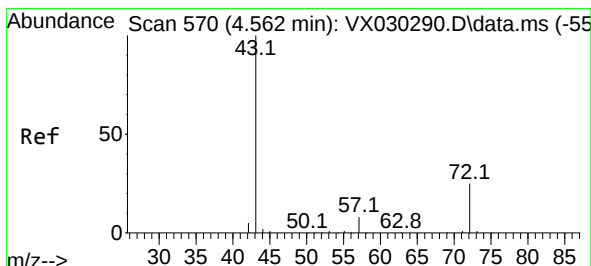
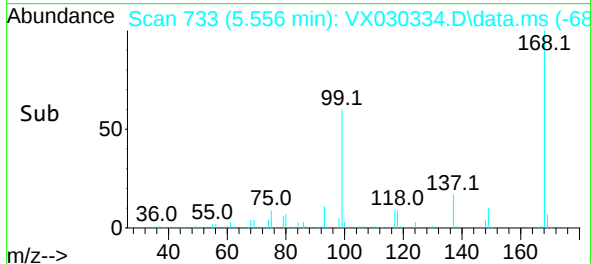
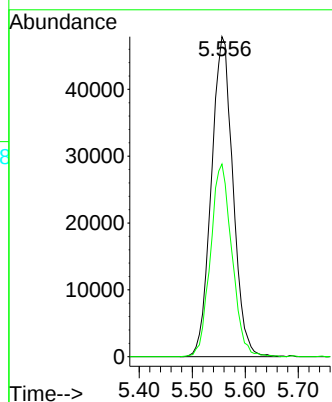
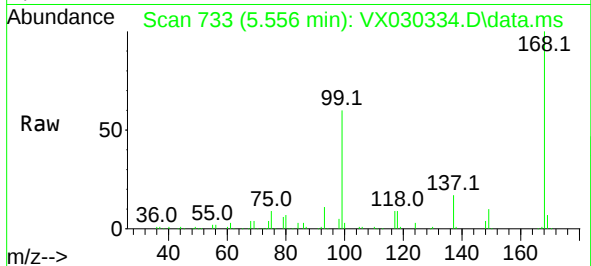




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 713
Delta R.T. -0.006 min
Lab File: VX030334.D
Acq: 01 Aug 2022 19:48

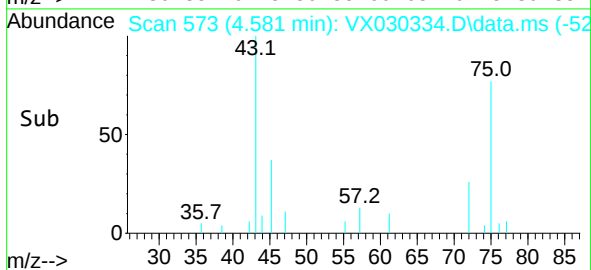
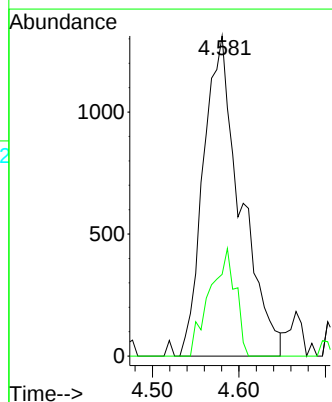
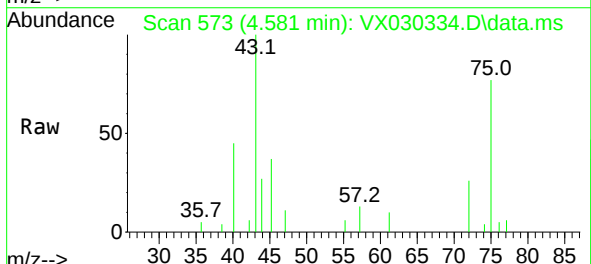
Instrument :
MSVOA_X
ClientSampleId :
HMGP-SOIL-B

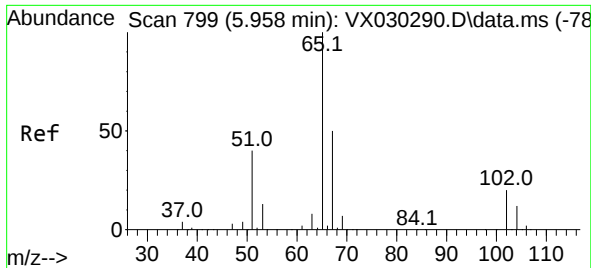
Tgt Ion:168 Resp: 135460
Ion Ratio Lower Upper
168 100
99 60.2 44.0 66.0



#25
2-Butanone
Concen: 1.667 ug/l
RT: 4.581 min Scan# 573
Delta R.T. 0.013 min
Lab File: VX030334.D
Acq: 01 Aug 2022 19:48

Tgt Ion: 43 Resp: 3904
Ion Ratio Lower Upper
43 100
72 25.5 21.7 32.5





#33

1,2-Dichloroethane-d4

Concen: 51.051 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX030334.D

Acq: 01 Aug 2022 19:48

Instrument :

MSVOA_X

ClientSampleId :

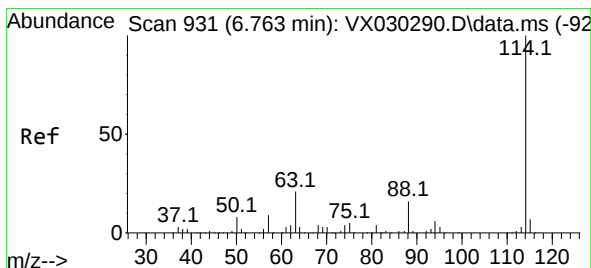
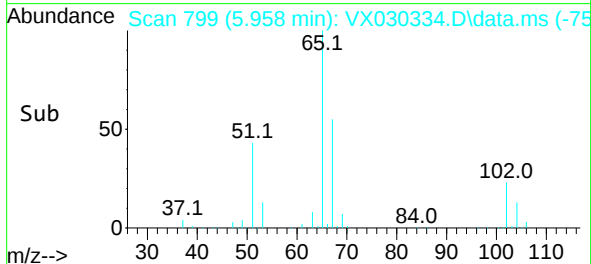
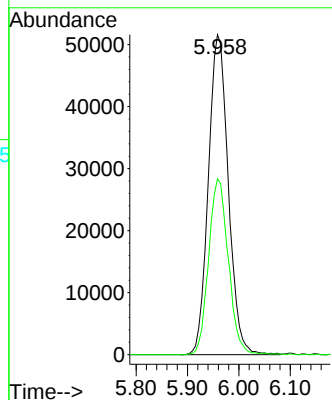
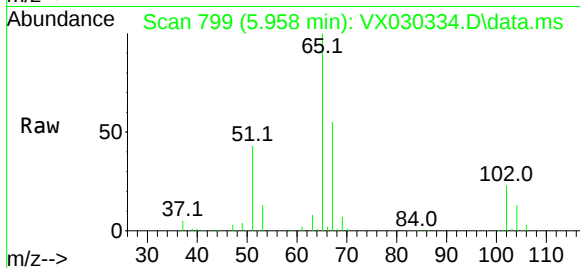
HMGP-SOIL-B

Tgt Ion: 65 Resp: 138996

Ion Ratio Lower Upper

65 100

67 54.1 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.006 min

Lab File: VX030334.D

Acq: 01 Aug 2022 19:48

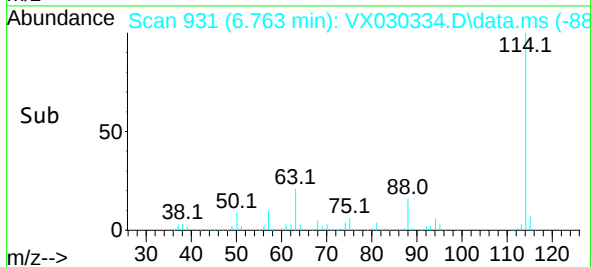
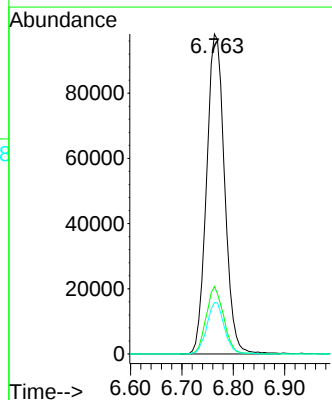
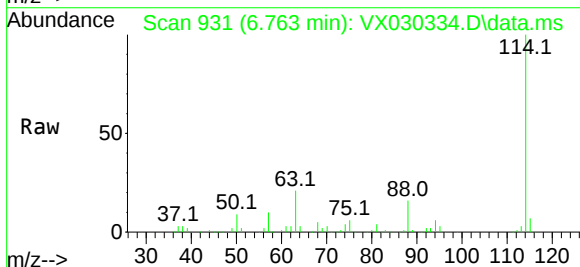
Tgt Ion: 114 Resp: 238723

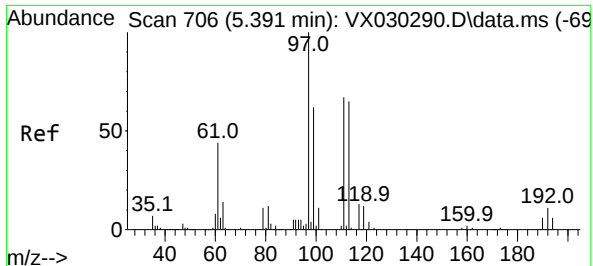
Ion Ratio Lower Upper

114 100

63 21.0 0.0 38.4

88 16.0 0.0 31.8





#35

Dibromofluoromethane

Concen: 48.124 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX030334.D

Acq: 01 Aug 2022 19:48

Instrument :

MSVOA_X

ClientSampleId :

HMGP-SOIL-B

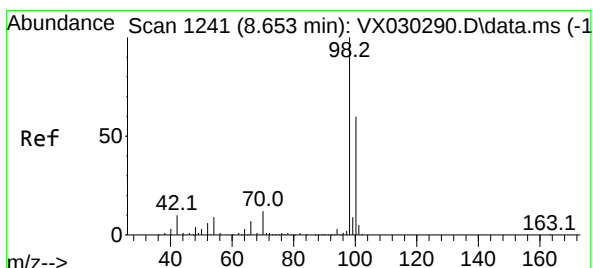
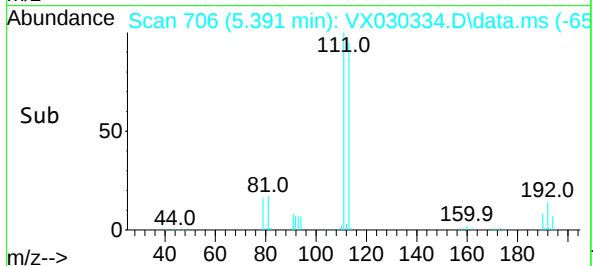
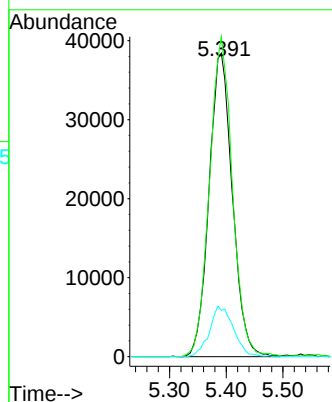
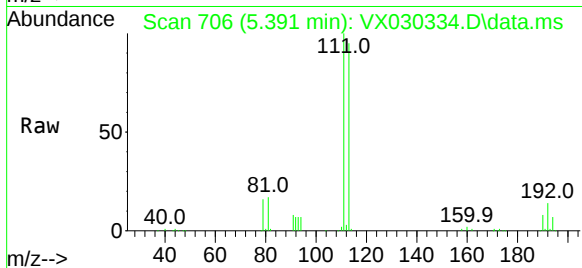
Tgt Ion:113 Resp: 109822

Ion Ratio Lower Upper

113 100

111 103.9 83.2 124.8

192 17.1 14.8 22.2



#50

Toluene-d8

Concen: 47.305 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.001 min

Lab File: VX030334.D

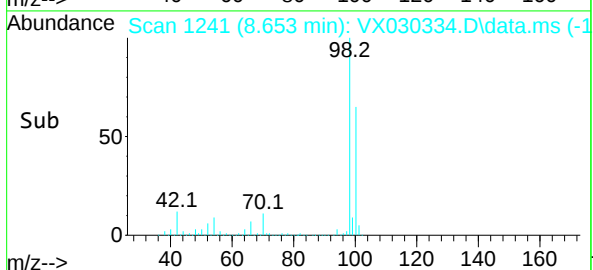
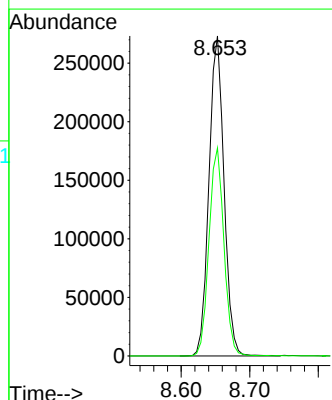
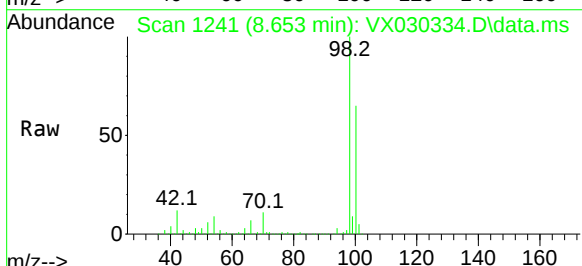
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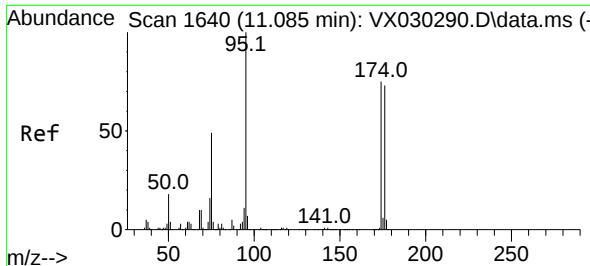
Tgt Ion: 98 Resp: 418061

Ion Ratio Lower Upper

98 100

100 64.8 52.3 78.5

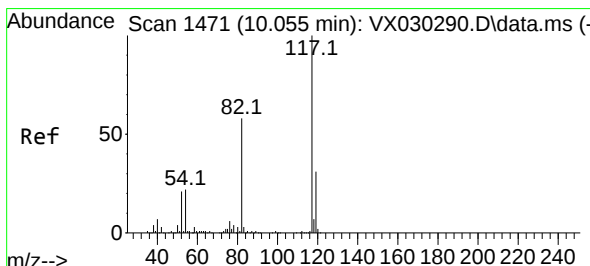
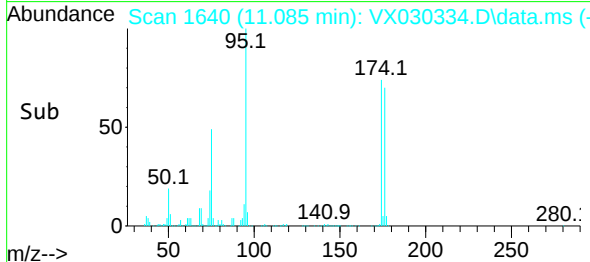
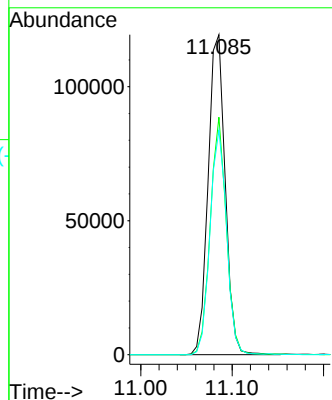
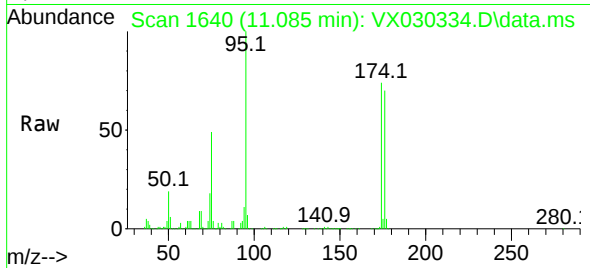




#62
4-Bromofluorobenzene
Concen: 47.105 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX030334.D
Acq: 01 Aug 2022 19:48

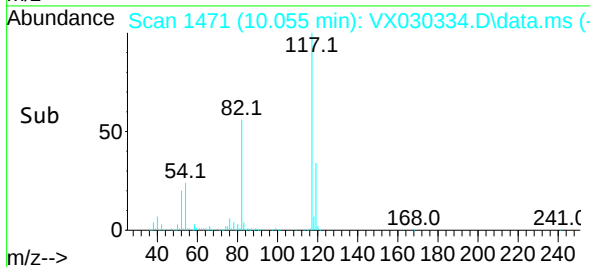
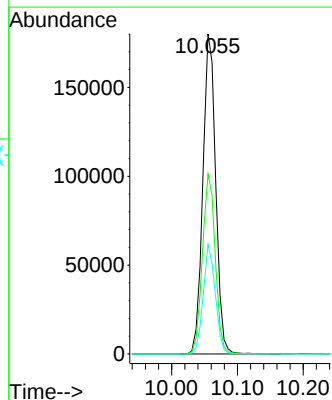
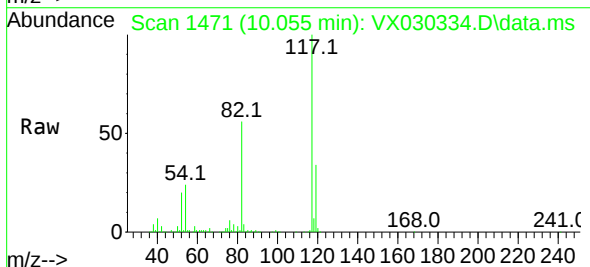
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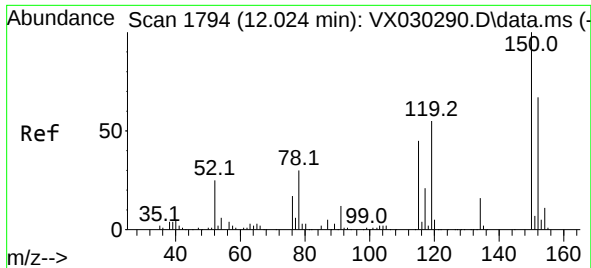
Tgt Ion: 95 Resp: 154499
Ion Ratio Lower Upper
95 100
174 70.2 0.0 149.0
176 68.2 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX030334.D
Acq: 01 Aug 2022 19:48

Tgt Ion: 117 Resp: 244400
Ion Ratio Lower Upper
117 100
82 56.3 42.7 64.1
119 34.2 25.4 38.2

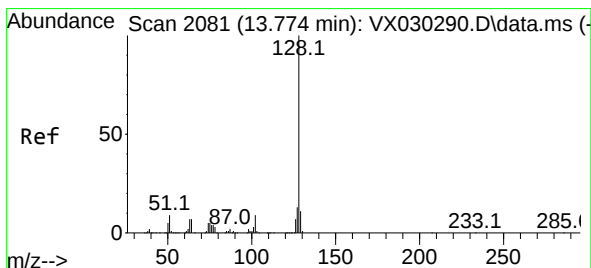
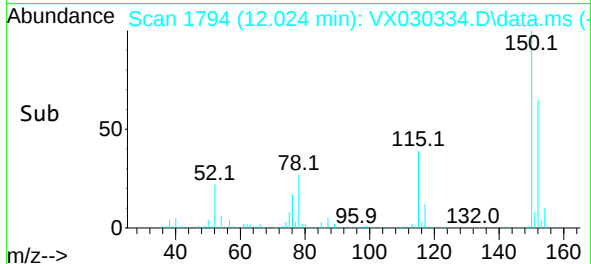
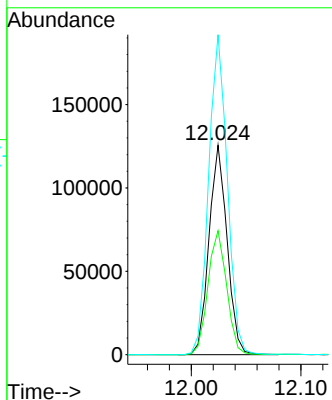
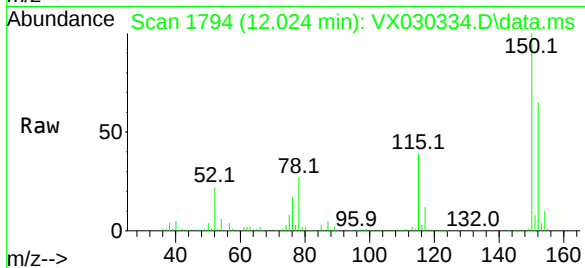




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX030334.D
Acq: 01 Aug 2022 19:48

Instrument :
MSVOA_X
ClientSampleId :
HMGP-SOIL-B

Tgt Ion:152 Resp: 144372
Ion Ratio Lower Upper
152 100
115 61.1 40.5 121.5
150 157.2 0.0 347.0



#95
Naphthalene
Concen: 23.344 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX030334.D
Acq: 01 Aug 2022 19:48

Tgt Ion:128 Resp: 267028
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.2
129 11.1 8.6 13.0

